

# Caterpillar

at  
 Florence-Darlington  
 Technical College

## Dealer Service Technician Program

### Curriculum

This two-year program is designed to prepare entry-level service technicians for Caterpillar dealerships. Students will develop skills to be productive with limited on-the-job training following graduation. English and math components of the curriculum are integrated with Caterpillar technology such as writing service reports and applying math skills to repairing and diagnosing technology. A general outline of the curriculum is listed below.

Year One					
Fall Semester		Sem. Hours	Spring Semester		Sem. Hours
DHM 101	Intro to Diesel Engines	4	DHM 265	Hydraulic Systems	3
DHM 111	Intro to Caterpillar	2	DHM 125	Diesel Fuel Systems	3
MAT 170	Integrated Math	3	DHM 173	Electrical Systems I	3
WLD 116	Welding	2	ENGL 101	English Composition I	3
CWE 114	<b>Internship #1</b>	4	CWE 124	<b>Internship #2</b>	4
<b>Total Semester Hours</b>		<b>15</b>	<b>Total Semester Hours</b>		<b>16</b>
<b>Summer Semester</b>					
					<b>Sem. Hours</b>
DHM 231	Diesel Air Conditioning				2
DHM 156	Fundamentals of Transmissions/Torque Converters				3
DHM 266	Machine Hydraulic Systems				3
SPC 205	Public Speaking				3
<b>Total Semester Hours</b>					<b>11</b>

Year Two					
Fall Semester		Sem. Hours	Spring Semester		Sem. Hours
CWE 214	<b>Internship #3</b>	4	CWE 224	<b>Internship #4</b>	4
DHM 267	Undercarriage/Final Drives	3	DHM 268	Caterpillar Engine Performance	2
DHM 273	Electrical Systems II	3	DHM 269	Diagnostic Testing	2
PSY 201	General Psychology	3	DHM 270	Caterpillar Machine Specific Systems	3
ENG 260	Technical Communication	3	ECO 201	Economic Concepts	3
<b>Total Semester Hours</b>		<b>16</b>	<b>Total Semester Hours</b>		<b>14</b>